

## **Optical spectra of octahedral cubic and trigonal Yb<sup>3+</sup> impurity centers in KMgF<sub>3</sub> and KZnF<sub>3</sub> crystals**

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### **Abstract**

Groups of lines corresponding to octahedral cubic and trigonal impurity centers have been isolated in complex many-center luminescence and excitation spectra of Yb<sup>3+</sup>-doped KMgF<sub>3</sub> and KZnF<sub>3</sub> crystals. The crystal-field potentials derived from the spectra are in good agreement with those of similar centers in CsCaF<sub>3</sub>:Yb<sup>3+</sup> crystal studied earlier. © 1998 American Institute of Physics.

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